



IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Patent Application

Inventor(s): Eduard Sackinger
Case: 8
Serial No.: 09/498,559
Filed: February 4, 2000
Examiner: D. Le
Title: Active Inductor

Group Art Unit: 2816

THE COMMISSIONER OF PATENTS AND TRADEMARKS
WASHINGTON, D.C. 20231
SIR:

AMENDMENT AFTER FINAL REJECTION

In response to the Office Action dated May 23, 2002, please amend the above-identified application as follows:

IN THE CLAIMS

Unchanged claim 1

- 1 1. A circuit for use as an active inductor on an integrated circuit having a power
- 2 supply voltage supplied at a first power supply terminal, comprising:
- 3 an metal oxide semiconductor (MOS) transistor having a gate terminal, a drain
- 4 terminal, and a source terminal, said drain terminal being coupled to said power supply
- 5 voltage and said source terminal being one of the terminals of said active inductor; and
- 6 a resistor having a first terminal coupled to said gate terminal and a second
- 7 terminal coupled to a voltage that is derived from said power supply voltage and has a
- 8 larger absolute value than said power supply voltage supplied at said first power supply
- 9 terminal and the same sign as said power supply voltage;
- 10 said circuit being adapted so that when said circuit is operating said circuit
- 11 behaves as an active inductor between said source terminal and an other terminal of said
- 12 active inductor on said integrated circuit.